

ABSTRACT:

The invention relates to a wireless network comprising a radio network controller and a plurality of assigned terminals, which are provided for exchanging data according to the hybrid ARQ method of type II or III and each form a receiving and/or transmitting side. A physical layer of a transmitting side is arranged for

5 - storing coded transport blocks in a memory, which blocks contain at least a packet data unit delivered by the assigned radio link control layer and can be identified by a packet data unit sequence number,

- storing abbreviated sequence numbers whose length depends on the maximum number of coded transport blocks to be stored and which can be shown unambiguously
10 shown in a packet data unit sequence number, and for

- transmitting coded transport blocks having at least the assigned abbreviated sequence numbers.

a physical layer of a receiving side is provided for testing the correct reception of the coded transport block and for sending a positive acknowledge command to the
15 transmitting side over a back channel when there is correct reception and a negative acknowledge command when there is error-affected reception.

Fig. 3